Request to Archive
With The National Centers for Environmental Information
For Polar Volcanic Ash
Provided by NESDIS>OSDPD>OSPO

2016-12-14

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?
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2. Name the organization or group responsible for creating the dataset.
NESDIS/OSPO

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.
Global/Regional Volcanic Ash products for NOAA-15, NOAA-18, NOAA-19, MetOp-A and MetOp-B. The product parameters are Volcanic Ash Detection and Volcanic Ash Height. The product will be in NetCDF4 format and be 1km or 4km resolution. The update cycle is based on the availability of L1B data and around 101 minutes.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)
From 2017-10-01
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:
N/A

6. Approximate date when the dataset was or will be released to the public:
2017-10-01

7. Who are the expected users of the archived data? How will the archived data be used?
Main users include Washington VAAC and NWS/NCEP etc. Because of the global coverage, all environment users from the world are interested in these Volcanic Ash products. The commercial airline users are interested in the products too.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?
The project is funded by NOAA/NESDIS/OSGS and includes the overall review procedures like CDR, SCR, ARR and ORR etc. NCEI personnel has been and will be invited to participate the all review processes.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

These products will be generated from AVHRR/HRPT and FRAC data stream. Similarly the volcanic ash products will be generated for S-NPP and HPSS-1 VIIRS and GOES-R and archived on NCEI.

10. List the input datasets and ancillary information used to produce the data.

The input data sets include AVHRR channel 4 (11 um) and 5 (12 um) brightness temperature/radiance and GFS model data

11. List web pages and other links that provide information on the data.

The web pages will be developed

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. will be available during ARR

13. Indicate the data file format(s).

1. netCDF-4

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

Will be available during ARR

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

It will be available around September 1st, 2017

17. What is the total data volume to be submitted?

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 10GB per Day

Data File Frequency: 60 per Day

Data Production Start:

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

No additional updates, revisions or replacement data are anticipated.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: NOAA/NSOF, Suitland, Maryland

System Name: PDA

System Owner: NESDIS/OSPO

Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.
FTPS

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.
1. User interface to order and stage data for download

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?
No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.
The archival products will help Volcano user groups track and monitor the activities of volcano. Also the archival products will benefit the future scientific research about Volcano activities and the study about the potential impact on the long term climate.

24. Are the data archived at another facility or are there plans to do so? Please explain.
No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?
Philip Jones at NCEI has been contacted and invited to participate the review processes.

26. Do you have a data management plan for your data?
No

27. Have funds been allocated to archive the data at NCEI?
The products are under the project funded by NESDIS/OSGS so NCEI should work with NESDIS/OSGS to request the fund as needed

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.
The project name is "Blended Enterprise Processing System - Polar Volcanic Ash" and the project is funded by NESDIS/OSGS

29. Is there a desired deadline for NCEI to archive and provide access to the data?
Archive by: 2017-10-01
Accessible by: 2017-10-01

30. Add any other pertinent information for this request.
None